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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

DINH, TUAN T

ART UNIT PAPER NUMBER

2827

DATE MAILED: 07/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/024,073

Applicant(s)

TAKAGI, HISAMITSU

Examiner

Tuan T Dinh

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 10-14 is/are pending in the application.
- 4a) Of the above claim(s) 10 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Applicant's election with traverse of Group II (claims 11-14) in Paper No. 6 is acknowledged. The traversal is on the ground(s) that claims 11-14 are generic. However, no other errors in the restriction are pointed out; therefore, the restriction is deemed proper and is therefore made FINAL. Due to applicant comments, claims 11-14 are examining.

Claim Objections

1. Claim 11 is objected to because of the following informalities:
Claim 11, line 2, change "a conductor" to --a first conductor--.
Claim 11, line 4, change "a conductor" to--a second conductor--
Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
3. Claims 11 and 14 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The specification is

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silent regarding signal transmission pattern" claim 11, line 7, and "a signal wiring part...said coaxial structure part" claim 14, lines 9-11.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 11 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 11, lines 8-11, it is unclear. The phrase of "the flexible base...so as to form an inner insulator" is not understood.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claims 11-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Schreiber et al. (U. S. Patent 4,845,311).

As best understood to claim 11, Schreiber discloses a flexible cable (8-figure 1, column 2, line 19) as shown in figures 1-19 comprising:

a flexible base (14, column 3, line 8); and

first and second conductor patterns (12, column 3, line 16, and 16, column 3, line 20) forming an inner and outer conductors and,

the conductor patterns (12, 16) being added to a signal transmission pattern (60, column 2, line 28) atop a flexible base,

the flexible base being sandwich between said conductor patterns so as to form an inner insulator.

As to claim 12, Schreiber discloses a flexible cable (8) as shown in figures 1-19 comprising:

a first conductor pattern (12);

two band-shaped second conductor patterns (20, 16-figure 3) disposed parallel to and respectively above and below said first conductor pattern, said two band-shaped second conductor patterns being wider than said first conductor pattern (see figures 3-5); and

an insulator (14) interposed between said first conductor pattern and said two band shaped second conductor patterns,

said two band-shaped conductor patterns having through-holes (48-59, column 4, line 12) through which said two band-shaped conductor patterns are electrically connected.

As to claim 13, Schreiber discloses a flexible cable (8) as shown in figures 1-19 comprising:

a first conductor pattern (12);

a band-shaped second conductor pattern (20; 16) covering a top portion of said first conductor pattern;

a band-shaped third conductor pattern (20; 16) covering a lower portion of said first conductor pattern; and

an insulator (14) interposed between said first conductor pattern and said band-shaped second and third conductor patterns,

said band-shaped second and third conductor patterns having through-holes (48-59) through which said band-shaped second and third conductor patterns are electrically connected,

said through-holes being arranged at intervals so as to prevent an electromagnetic wave leak from sides of said first conductor pattern.

As best understood to claim 14, Schreiber discloses a flexible cable (8) as shown in figures 1-19 comprising:

a coaxial structure part (10, column 2, line 21) including a first conductor pattern (12),

two band-shaped second conductor patterns (20, 16) disposed parallel to and respectively above and below said first conductor pattern (12), said two band-shaped second conductor patterns being wider than said first conductor pattern (see figures 3-5), and

an insulator (14) interposed between said first conductor pattern (12) and said two band-shaped second conductor patterns (20, 16), said two band-shaped conductor

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patterns having through-holes (48-59) through which said two band-shaped conductor patterns are electrically connected; and

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Shreeve, Kesler, Ueno, Mizutani et al., and Farquhar et al. disclose related art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan T Dinh whose telephone number is 703-306-5856. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on 703-305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-1341 for regular communications and 703-305-1341 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

TD
July 1, 2002



KAMAND CUNEO
PRIMARY EXAMINER